

REGIONAL DATA CENTERS IN CALIFORNIA

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BACKGROUND

Water Quality Monitoring Council Wants to Answer:

1. Is our water safe to drink?
2. Is it safe to swim in our waters?
3. Is it safe to eat fish and shellfish from our waters?
4. Are our aquatic ecosystems healthy?
5. What stressors and processes affect our water quality?

REGIONAL DATA CENTER CONCEPT

- **Regional Data Centers established throughout California**
 - Local partners
 - Better relationships
- **Uses Best of Both Worlds**
 - Distributed Data System
 - Centralized Data System
- **Works with SWAMP but also merges with other types of data**

REGIONAL DATA CENTER ORGANIZATIONS

- **Southern California Coastal Water Research Project (SCCWRP)**
- **Moss Landing Marine Laboratories (MLML)**
- **San Francisco Estuary Institute (SFEI)**
- **University of California, Davis (UCD)**
- **Others???**

WHERE ARE WE NOW?

What have we done or are doing now to answer your questions?

- **Beach Watch Program**
 - Created the database used by all coastal counties to submit data to the State Board
- **Regional Monitoring**
 - Bight Surveys
- **Stormwater Monitoring Coalition**
 - Historical Data
 - Continuous Data Stream

REGIONAL DATA CENTER SERVICES

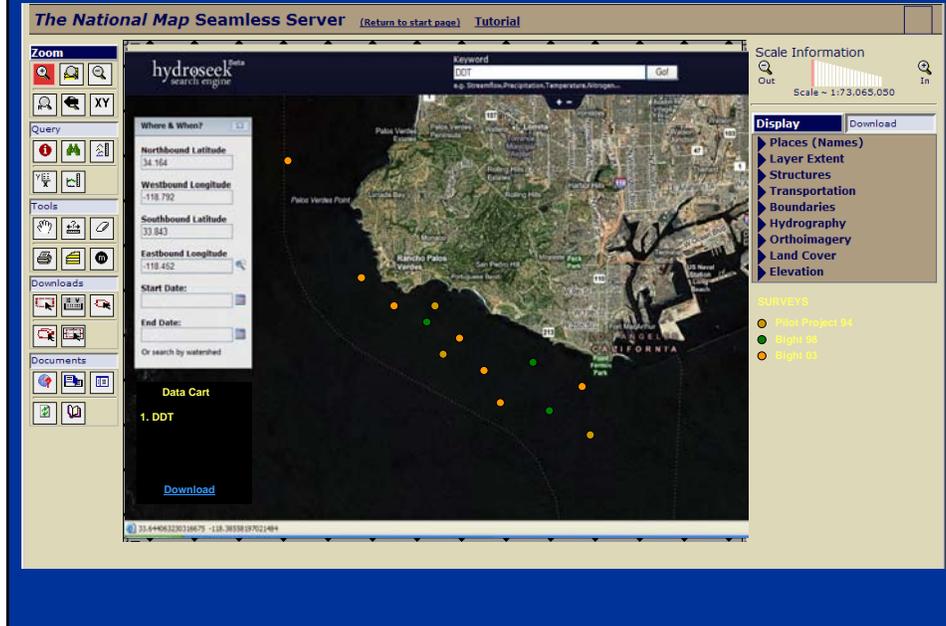
- **Receive and check data**
 - Easy data load
 - Checks to ensure data quality
- **Store and manage data**
- **Integrate and access data**
- **Coordinate and transfer technology**
 - Web-based data submission
 - Data retrieval tools
 - Data visualization tools

Local Database Tool

Web-Based Data Submission Tool

Error	Error/Flow	StationCode	ProjectCode	LocationCode	SampleDate	CollectionAgencyCode	SampleReplicate	LabAgencyCode	SampleVolume	DateOfData
DivisionAgencyCode is Invalid		080108	FWAHS_888	NA	07/09/2004	OC80	1	CR8G	PCB 204	OC80
SamplePurposeCode is InvalidPurpose		080108	FWAHS_888	NA	07/09/2004	OC80	1	CR8G	PCB 204	820208
DivisionMatrixCode is Invalid		080108	FWAHS_888	NA	07/09/2004	OC80	1	CR8G	PCB 204	080108
SampleDate must be between +125 and +114 of the MISSING value of -98		AC001	FWAHS_888	NA	07/09/2004	OC80	1	CR8G	Aluminum	119.13019
Missing SampleDate		PC0001	FWAHS_888	NA	NA	OC80	3	CR8G	PCB 518	NA

Data Visualization Tools



FEEDBACK

Are we heading down the right path to support the Water Quality Monitoring Council?

Are there additional things we should be working on?